

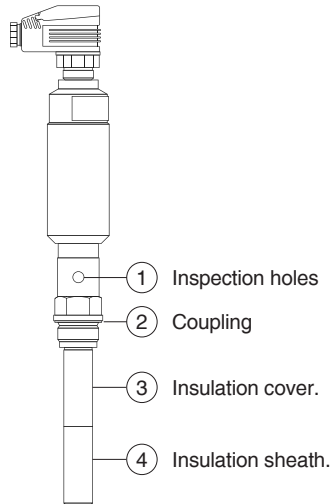
Conductivity electrode EC-1

Model 560-A



1. Description of the electrode.

The conductivity electrode is a measuring probe which must be handled with extreme caution. Avoid bumping, especially in the area of the insulation sheath (4).



2. Installation of the electrode.

Before installing the electrode, clean the insulation cover (3) and the insulation sheath (4) using a clean, slightly damp cloth. The insulators should be completely free of oil and grease. After putting the coupling (2) in place, screw in the electrode by hand and fasten with a spanner.

WARNING:

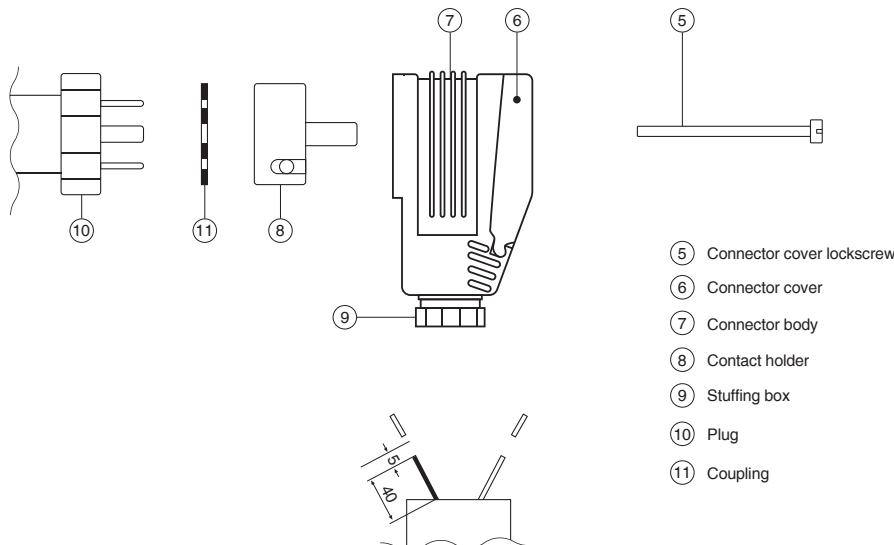
- Use only stainless steel couplings (2).
- The coupling must be replaced each time the electrode is mounted.

The position in which the electrode is installed is unimportant; it may be vertical, tilted or horizontal. The electrode rod, however, must be submerged $30 \div 40$ mm. beneath the normal level of water in the cold boiler. The exact point of commutation may only be determined if the boiler is in proper working conditions.

We recommend the use of 2 x 1 screened connection cable with a maximum length of 50 mts.

3. Connecting the electrode.

Unscrew the connector cover lock screw (5), remove the connector cover (6) and connector body (7), and unplug the contact holder (8). Pass the cable through the stuffing box (9), fixing one wire to connection N° 1 and the other to the earth connection of the contact holder (8). Check the connections and place the contact holder (8) into the plug (10) with its corresponding coupling (11). Put the connector body (7) and connector cover (6) in place, and fasten the connector cover lock screw (5).



WARNING:

- Make sure the coupling (11) is correctly positioned.
- You may point the connector body (7) in any direction.

4. Start-up.

Check each electrode after all operations. Only if the findings are satisfactory may the electrodes be installed in the boiler and the boiler turned on.

5. Maintenance.

We recommend that the rod of the electrode be checked every 6 months and that the electrode be thoroughly cleaned.

6. Anomalies.

Any leaks at the coupling (2) are usually solved by tightening it. If the leak does not disappear, replace the coupling (2) with a new one.

When the boiler is cold, any water or steam leakages may be detected via the inspection holes (1). Heat the boiler to working pressure and the leakage should disappear. If not, disconnect the electrode as described in section 3 and connect a new electrode.

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Mod. 560- A | EC-1
Bleeding for steam boilers | CTI